



Eyes That Need Glasses  
are entitled to specialized effort.

**NORTHROP  
Optical Co.**

Eyeglass Specialists  
9 East Adams St.  
We operate a complete lens  
grinding shop

## "The Good Natured Drug Store"

is what one of our customers  
called the Owl Drug Co., the  
other day, and it pleased us  
very much. You don't have  
to fret, fuss or worry about  
your order, or your bill here.  
We do our best to please our  
patrons, and are always  
striving to maintain a satis-  
factory store and delivery  
service.



**Dr. ROBERT E. SOLOSTH**  
OPTOMETRIST AND OPTICIAN  
Telephone 1901 33 W. Washington



Eyes examined; glasses fitted  
Master lens makers

**Dr. ROBERT E. SOLOSTH**  
OPTOMETRIST AND OPTICIAN  
Telephone 1901 33 W. Washington



**YALE DENTAL CO.**  
Dr. R. M. Dunlap  
Get our prices first. All work guaran-  
teed.

Phone 1918 21 E. Washington St.  
Over Donofrio's

**ATTENTION MINING MEN**  
We can give you bargains in 50 H.  
P. Oil Engines. They are new and  
up to date.

**KUNZ BROS. & MESSENGER**  
Cor. Second Ave. and Jackson St.

**E. S. WAKELIN**  
GROCER CO.  
WHOLESALE

**MONEY  
TO LOAN**

Unlimited funds to loan on im-  
proved Salt River Valley ranch  
lands and income business  
property.

**Dwight B. Heard**  
REAL ESTATE-INSURANCE  
LOANS

Center and Adams

**WANT TO LOCATE A HOME-  
STEAD IN Paradise Valley? See Chute**  
615 West Van Buren-Adv.

**Money To Loan**

\$10.00 to \$100.00 on salaries, furniture,  
pianos, live stock, farming implements,  
automobiles, etc. No removal. Rea-  
sonable rates. Confidential.

**Mutual Loan Co.**  
1400 Grand Ave. Phone 1396  
Office Hours 8 a. m. to 5 p. m.

**WANTED**  
1000 SECOND HAND  
SACKS  
Phoenix Wood & Coal Co.  
223 South Third St.

**Shoup Lumber Yard**  
PHONE 502

**Graves' Indian Shop at 33  
West Adams Street.**

**You are invited to visit  
Graves' Indian Shop at 33  
West Adams Street.**

**Graves' Indian Shop at 33  
West Adams Street.**

**Graves' Indian Shop at 33  
West Adams Street.**

**Graves' Indian Shop at 33  
West Adams Street.**

**Graves' Indian Shop at 33  
West Adams Street.**

**Graves' Indian Shop at 33  
West Adams Street.**

**Graves' Indian Shop at 33  
West Adams Street.**

Your KODAK pictures  
will please you if devel-  
oped and printed by

**Berryhill's**

OF LOCAL INTEREST

**STORED WATER  
SUPPLY**

Water Service Report for January 16

Elevation of water in Reser-	208.16
Contents, acre feet	1,098,288
Loss in 24 hours, acre feet	148
Elevation one year ago	206.40
Contents one year ago	1,071,902
Normal flow of Salt and	
Verde rivers at Granite	
Reservoir	28,600
Normal flow water for lands	
on to valley	1887
Water used for irrigation	
north side, M. L.	3,941
Water used for irrigation	
south side, M. L.	4,258

**WEATHER TODAY**

(Republican A. P. Leased Wire)  
WASHINGTON, D. C., Jan. 16.—For  
Arizona: Wednesday and Thursday,  
generally fair except snow and much  
colder; north portion Wednesday;  
freezing temperature south portion,  
Wednesday.

Colorado: Wednesday and Thursday  
generally fair except snow and cold  
west portion, Wednesday; not so cold  
east portion.

New Mexico: Wednesday, local snow  
colder northwest portion; Thursday,  
predominantly fair, continued cold.

West Texas: Wednesday and Thurs-  
day snow north, rain or snow south.

**LOCAL WEATHER YESTERDAY**

U. S. Department of Agriculture  
Weather Bureau, Water Users'  
Building

Temperature, degrees	46	40
Temperature of evaporation	45	39
Humidity, percent	91	81
Wind direction	SE	SE
Wind velocity, miles	12	10
Rainfall, inches	.05	.04
Weather	Cloudy	Cloudy
Lowest temperature	32	26
Mean relative humidity	91	81
Total rainfall	.09	.08
Deficiency in temperature yester-		
day, degrees		

Deficiency in temperature since the  
first of the month, 9 degrees.

Normal precipitation January 1st to  
date, .85 inch.

Actual precipitation January 1st to  
date, .36 inch.

Accumulated excess in rainfall since  
January 1, .49 inch.

**LOCAL WHOLESALE PRODUCE**

Prices paid today by Walter Hill  
company, Second avenue and Jettison  
street.

Ranch eggs, per dozen .....35c  
Cheese, per pound .....13c  
Pears, pound .....13c  
Hens, pound .....13c

**FUNERAL OF FRANK MORRIS**—  
The funeral of Frank Morris, who died  
at his residence at Glendale at six  
o'clock Monday evening will take place  
today at 2:30 o'clock at the Glendale  
Woman's Club building. Friends wish-  
ing to view the remains may do so at  
the residence on Washington street,  
Glendale between 1:30 and 2:30.

**GRAZING CONTRACT**—Dr. G. John-  
son and D. C. Walker, prominent sheep  
raisers of this district, announced  
yesterday that they had secured the  
grazing privileges from the Southwest  
Cotton company (the Goodyear Rubber  
Co. subsidiary) for their Beardsley  
and Arline tracts. Six thousand  
acres are now lambing on the Beardsley  
tract.

**FUNERAL OF MRS. PINKERTON**—  
The funeral of Mrs. John Foster  
Pinkerton will take place today, Rev.  
Ray C. Barker of the First Methodist  
church officiating. Interment will be  
at Greenwood. A son, Claude D. Pink-  
erton of Yakima, Wash. is here. An-  
other son, Justin Pinkerton of the  
United States navy could not be lo-  
cated to be informed of his mother's  
death.

**FIRE AT THE BUFFALO MINE**—  
A letter from Harry J. Bennett, man-  
ager of the Buffalo mine gave an ac-  
count of a fire at the mine last Sat-  
urday night. A fine cottage building  
and bunkhouse were destroyed and the  
men lost all their bedding and clothes.  
It is not known how the fire started.  
The men were in the dining room at  
supper when a crackling noise was  
heard and then it was noticed that the  
building was in flames. The heat was  
so fierce that many of the men had  
their hands burned in effectual efforts  
to get out their belongings.

**PHOENIX SANATORIUM** for dis-  
eases of the lungs and throat. Pho-  
enix-Adv.

A special meeting of the stockhold-  
ers of the Marquette Olive Company  
will be held at the office of the com-  
pany at Marinette, Arizona on Wed-  
nesday afternoon at 2 o'clock January  
17th, 1917, for the purpose of elect-  
ing directors for the ensuing year  
and the transaction of such other  
business as may come before the meeting.

**R. P. Davis, President.**  
(Advertisement)

**Hearts of  
Redwood**

Two carloads of three by four red-  
wood hearts for posts.

The same kind I have sold fifteen  
carloads of the past two years but  
plus a little war cost. However, the  
extra cost doesn't near compare  
with the advance in price of nearly  
everything else.

**Shoup Lumber Yard**  
PHONE 502

**Shoup Lumber Yard**  
PHONE 502

**Shoup Lumber Yard**  
PHONE 502

**Shoup Lumber Yard**  
PHONE 502

**THE PRICE OF ECONOMY  
IS CAREFUL BUYING**  
**CRESCENT  
BAKING  
POWDER**

Is essentially the  
baking powder of the  
economical  
housewife. It  
serves her well,  
perfectly, yet the housewife buys  
it at half the cost of others. Use  
Crescent always.

**At All Grocers  
25c Per Pound**  
**CRESCENT MFG. CO.**  
Seattle, Washington.

**CALENDAR OF EVENTS**

**Masquerade Ball**  
The Woodman circle will give a  
masquerade ball at Patrick hall to-  
night. The circle entertains every  
Wednesday night with a dance and no  
additional admission will be asked for  
this evening's affair.

**Poetry Section Meeting**  
The poetry section of the art and  
literature department of the Woman's  
club will meet in the club room at  
10 o'clock this morning. The poets  
Addison, Pope, Gray and Goldsmith  
will be discussed. The leader will be  
Mrs. C. T. Hirst.

**CHANGE IN BUSINESS**—Dr. C. C.  
Bradbury has been succeeded in his  
practice by Dr. G. E. Blair, his asso-  
ciate for the past year and a half.

**JURY LIST**—The board of super-  
visors yesterday compiled the jury  
list for the year. Fifteen hundred  
names were selected from the county  
register.

**CONMY ARRESTED**—On advice  
from Phoenix, John P. Conmy, a lo-  
cal attorney was arrested yesterday  
afternoon on a forgery charge. He  
was taken at once to Phoenix at  
which place he practiced law be-  
cause coming to Phoenix eight months  
ago.

**VIM TRUCKS RECEIVED**—A car-  
load of Vim trucks consisting of five  
machines were received in Phoenix  
yesterday by the Hudson Sales com-  
pany. The Vim is a popular light  
truck that has had a big sale in  
Arizona as in other states. The local  
agency is now enabled to receive  
shipments sufficiently to supply local  
demand.

**UNDELIVERED TELEGRAMS**—  
There are undelivered telegrams at the  
Western Union telegraph office for the  
following: Mrs. J. J. O'Connell, George A.  
Donohue, R. A. Thelen, Robert C.  
Smith, W. N. Spikes, J. H. Hogan, Miss  
Betty Jones, R. M. Warren, Mrs. St.  
Claire Brown, Mrs. Stace Klem, Jerome  
Butte Copper company, George H. K.  
Urich, R. S. Nunn, Mrs. L. A.  
Stevens, Mrs. E. Walker and K. M.  
Wilson.

**JOHN C. ROLLINS**—John C. Rol-  
lins, an aged negro was found dead  
in his room at 223 South Second av-  
enue yesterday morning. When the  
housekeeper opened the door of his  
apartment, she found the body  
stretched out on the floor and immedi-  
ately notified the officers. The inquest  
was held before Justice De Souza, the jury  
returned a verdict that death was due  
to natural causes. Rollins, who was  
72 years of age, had been here but a  
short time and has no relatives in  
the city. On his person at the time  
of his death was \$20 in cash and a  
large deposit slip for \$100.

**RELIGIOUS CHAPLAIN**—Dr.  
Herbert Anet, chaplain in the Belgian  
army, will speak tonight at Trinity  
Pro-Cathedral house. Dr. Anet has  
been through the most harrowing por-  
tion of the war, that part which has  
destroyed Belgium and scattered its  
people to the four corners of the  
earth. He will tell of his experiences  
at the surrender of Brussels, his inter-  
view with King Albert, and experiences  
in the trenches. The lecture will be  
illustrated with stereophonic  
views. Dr. Anet will begin to  
speak at eight o'clock.

**Mr. Sherwood**, vice president of  
Legislative and Transfer Company, New  
York City, can be interviewed at  
Hotel Adams, January 17th, from four  
to six P. M. on corporation and con-  
sidering listing stock on New York curb  
or exchange.—Adv.

**WANT TO LOCATE A HOME-  
STEAD IN Paradise Valley? See Chute**  
615 West Van Buren-Adv.

**ESTRAY NOTICE**  
The following described stray stock  
will be sold at the H. D. Clark ranch,  
one-half mile east of Chandler, Ariz.,  
January 29, at 2 p. m.: 7 head of hogs;  
1 brood sow; 2 boars, weight about  
200 lbs. each, earmarked—both ears  
drilled and each 2 boars, weight  
about 55 lbs. each, no earmarks.  
C. M. Beckham,  
Constable for Chandler Precinct.  
Very truly yours,  
S. A. MEYER  
(Adv.)

All members Arizona Lodge  
No. 2, F. & A. M. are re-  
quested to meet at the Masonic  
Hall at 7:30 o'clock this (Wed-  
nesday) evening to welcome our most  
Worshipful Grand Master, Brother S.  
W. Perkins of Flagstaff. There will  
be work in the third degree. Visit-  
ing Brethren most cordially invited.  
Refreshments.

**E. O. CARLISLE**  
(Advertisement)

**Roof Leak?**  
**Thos. P. Hyland**  
**Roofers**  
112 EAST MONROE ST.

All kinds of roofs repaired and  
painted

**You are invited to visit  
Graves' Indian Shop at 33  
West Adams Street.**

**Graves' Indian Shop at 33  
West Adams Street.**

**Graves' Indian Shop at 33  
West Adams Street.**

**Graves' Indian Shop at 33  
West Adams Street.**

**Graves' Indian Shop at 33  
West Adams Street.**

**Graves' Indian Shop at 33  
West Adams Street.**

**Graves' Indian Shop at 33  
West Adams Street.**

**Graves' Indian Shop at 33  
West Adams Street.**

**Graves' Indian Shop at 33  
West Adams Street.**

**Graves' Indian Shop at 33  
West Adams Street.**

**Graves' Indian Shop at 33  
West Adams Street.**

**Graves' Indian Shop at 33  
West Adams Street.**

**Graves' Indian Shop at 33  
West Adams Street.**

**Graves' Indian Shop at 33  
West Adams Street.**

**Graves' Indian Shop at 33  
West Adams Street.**

**Graves' Indian Shop at 33  
West Adams Street.**

**Graves' Indian Shop at 33  
West Adams Street.**

## BIDS ASKED FOR NEW CASA GRANDE MUNICIPAL PLANT

Casa Grande, the liveliest town between  
Phoenix and Tucson, is going to spend  
in the neighborhood of \$30,000 for an  
up-to-date electric light, power and  
water plant. The common council of  
the town has called for bids to be sub-  
mitted on the 15th of February.

Casa Grande is one of the liveliest  
towns for its size on the main line of  
the Southern Pacific, was amply dem-  
onstrated a few months ago, when the  
people practically unanimously voted  
to sell bonds, the money gained from  
the sale to be used in installing the  
new municipal plant.

V. A. Thompson, city engineer of  
Phoenix, is also engineer for the town,  
and has a copy of the plans and spec-  
ifications on file at his office.

The plans contemplate the building  
and installation of light and power  
plants, putting in of machinery, pipes,  
poles, linealities, wires, the building of a  
complete water system and the sink-  
ing of wells from which to obtain the  
necessary water.

**SICK MAN NEEDS COT**—The Asso-  
ciated Charities is very anxious to have  
a cot and mattress to go with it do-  
nated to them sometime today, preferably  
this morning. They have under  
their roof a sick man, almost destitute  
for the ordinary requirements of life.  
He has no bed and is almost sleeping  
without covering. There are at present  
no beds at the disposal of the Asso-  
ciated Charities, and it is urgently re-  
quested that someone with one more  
cot than is needed respond to their call.

**INTERESTING SIDE  
LIGHTS ON HISTORY  
OF MAGMA COPPER**

**Engineer Bonsall Recalls  
Old Prophecy for Magma  
and Makes Flattering  
Report on Magma  
Extension**

The following Engineer's report on  
the property of the Magma Extension  
Copper Mining Company is highly  
interesting, in that it contains refer-  
ence to reports made by Engineer  
Bonsall years ago on the District of  
Superior, and also on the property  
of the Magma Copper Company, long  
before operations were commenced by  
the present company. At that time  
Mr. Bonsall reported in the Magma  
ground, and his prediction that this  
property would prove famous as a  
copper producer has been more than  
amplified by the subsequent develop-  
ment and production of the Magma,  
which in recent months has not only  
fulfilled his prophecy, but has be-  
come one of the richest and most  
sensational copper mines in the world.

Though not supported in his find-  
ings at that time by other noted ex-  
perts and geologists who examined  
the district for various interests, Mr.  
Bonsall's confidence in the district  
has been more than justified by a  
showing of the Magma, the Grand  
Pacific, and other producers of the  
district, and his report now on the  
Magma Extension will be looked upon  
with further interest by the mining  
world. He reports as follows:

The mineralized zone or belt extends  
along the base of the time and  
quartzite. Throughout the entire dis-  
trict the general geologic features are  
similar for twelve or fifteen miles,  
with the mineral occurring in the  
fault fracture fissures in the porphyry.  
In my general report made in 1905  
of the Superior District, and my  
specific report of the Magma (then the  
Queen) in 1908, (two years prior to  
commencement of operations by the  
present Magma Copper Company) I  
predicted from the conditions I ob-  
served on the Queen at that time that  
the Superior District would become as  
rich in copper as the Silver King  
was in its palmy days of its silver.

That the extensive ore bodies in this  
district occur in the porphyry is an  
established fact, from the develop-  
ment in the Magma and Silver King  
properties: 1000 feet depth in the Sil-  
ver King, and 1500 feet depth in the  
Magma with their millions of dollars  
of production.

Your property has exposed the larg-  
est and most attractive belt of por-  
phyry in this section that has come  
under my observation of some number  
of visits to this section for several  
years. There is actually ex-  
posed a late intrusive porphyry com-  
ing up through the diabase 700 feet  
in width, being ten times or more greater  
in width than the Silver King show-  
ing of porphyry on the Magma, with  
cross fractures and veins in the Por-  
phyry showing some lead and sul-  
fur, and a small amount of copper.

In conclusion I state that you have  
the basic acidic and organic  
formations with an exposed late in-  
trusive porphyry dyke cutting up  
through the diabase at least 700 feet  
wide highly mineralized with lead  
location for a permanent working  
shaft, with cross fractures and paral-  
lel veins in the porphyry, carrying  
lead, borax, and small amounts of cop-  
per. From the established fact that  
the ore makes in the porphyry and the  
extremely large porphyry dyke with  
its heavy mineralization, there is  
every reason to believe that your  
property will prove, by extensive de-  
velopment, one of the largest produc-  
ers in the district.

Respectfully submitted,  
E. J. BONSALE, E. M.  
(Advertisement)

**WEEKLY BULLETIN**

"The Old Spanish Trail Assn."

In recent bulletin, mention was made  
of an innovation in the shape of a  
motorist camp at Port Hickey. More  
than 200 cars have passed through  
this camp since its inauguration and  
1500 cars more are expected, so that  
it is evidently a success.

At the recent inauguration of the  
governor, Florida by the state over  
2000 visiting automobiles present. Prac-  
tically every county in Florida was  
represented by automobile parties.

Last year, chiefly through the ef-  
forts of Secretary Hierder, of the  
West Florida Highway Association, an  
effort was made through "Founders  
Day Exercises" to arouse interest in  
"The Old Spanish Trail," among the  
school children of Florida. The idea  
was that the children of today are the  
men and women of tomorrow and any-  
thing building for the future should  
have the interest and co-operation of  
the men and women of the future. It  
was a great success and February 9th,  
has been chosen as this year's date.

On this day the schools declare a hol-  
iday and fitting exercises are held in  
the places of regular curriculum. It  
would be well if this could be taken up  
everywhere.

Recent \$400,000 bond election in  
Wards 1, 5 and 6 of Acadia Parish  
(La.) was carried by a very large ma-  
jority. Work is being completed on  
the Jefferson Davis Parish Highway  
system, which will give an unbroken  
link of highway through Louisiana  
from Vinton to Morgan City. Calcasieu  
Parish will soon start work on hard  
surface balance of section, funds be-  
ing available from recent \$300,000 bond  
issue passed last fall. New Orleans-  
Houston Highway Association will hold  
meeting the latter part of January or  
early February, place to be decided on  
later.

Laure Charles (La.) is seriously con-  
sidering holding a good roads meeting  
in the early spring at which a serious  
effort will be made to have delegates  
present from all points on "The Old  
Spanish Trail" from Florida to Califor-  
nia.

Vice President Ed. Fletcher, (Cal.)  
writes:

"From San Diego to Los Angeles  
there is a paved highway excepting  
through two cities which will shortly  
be paved. Distance 132 miles—30  
miles of ocean front."

"San Diego to Yuma: paved high-  
way through San Diego County ap-  
proximately 25 miles, balance good dirt  
road. The State Highway Commission  
will commence paving the balance  
through San Diego County this coming  
spring."

"Imperial County: Paved concrete  
highway from El Centro to San Diego  
County line, \$35,000 concrete bridge  
over Myer's Canyon completed and  
dedicated January 4, 1917."

"From El Centro to Yuma: Good  
dirt road to Holtville, Heavy going  
Holtville to Yuma. Forty-two miles—  
excepting eight miles of state highway  
completed over sand hills."

"The money has been voted by a part  
of which will be used in the completion  
of paved highway from San Diego to  
Yuma. The completion of the entire  
distance is expected within the next  
two years."

Headquarters is in receipt of inquir-  
ies from tourists from Michigan and  
Texas and is in receipt of letter from  
the Automobile Club of Southern  
California, advising that they are  
having an unusual number of inquir-

**McDougall & Cassou**  
Washington Street

**Elvey & Hulett**  
Quality Druggist  
Never Substitute

**WE  
DO IT  
RIGHT**

**McDougall & Cassou**  
Washington Street

**McDougall & Cassou**  
Washington Street

**McDougall & Cassou**  
Washington Street

**McDougall & Cassou**  
Washington Street

**McDougall & Cassou**  
Washington Street



We believe in extra  
good measure always—  
sort of the "baker's  
dozen" idea.

Ours must represent  
that extra measure of  
service and satisfaction  
in men's clothes.